PTO/SB/08A (08-03)

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Substitute for form 1449/PTO

Sheet 1

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known					
Application Number	10/767,035				
Filing Date	January 29, 2004				
First Named Inventor	Roy W. Kuennen				
Art Unit	net assigned	172	3		
Examiner Name	net-assigned -	T.	Cecil		
Attorney Docket Number	18716.85303-001				

C	0		J. J. FAIEN	DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant
		Number-Kind Code ^{2 (F known)}			Figures Appear
TC		^{US-} 5,330,661	07-19-1994	Okuda et al	
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	FOREIGN PATENT DOCUMENTS							
Examiner Cite No.1		Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages			
		MM-DD-YYYY	Applicant of Oiled Document	Or Relevant Figures Appear	Τ ⁶			
TC		JP8039056	02-13-1996	Japan (Engl.	Abstract)			
TC		JP1067293	03-13-1989	Japan (Engl.	Abstract)	m		
TC		JP62027093	02-05-1987	Japan (Engl.	Abstract only)			
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Signature	/Terry Cecil/	Considered	06/16/2006
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To: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Complete if Known Substitute for form 1449/PTO **Application Number** Filing Date INFORMATION DISCLOSURE First Named Inventor Roy W. Kuennen STATEMENT BY APPLICANT Art Unit 1723 (Use as many sheets as necessary) **Examiner Name** Cecil Attorney Docket Number 18716.85303-001 Sheet

Examiner Initials*	Cite No.1	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where
iriuais	No.	Number-Kind Code ^{2 (7 known)}	MM-UD-TTTT	Applicant of Cited Document	Relevant Passages or Relevant Figures Appear
TC		^{US-} 6,037,598	03-14-2000	Cicha	
		^{US-} 6,035,266	03-07-2000	Williams et al	
		^{US-} 6,027,644	02-22-2000	Magnusson et al	
		^{US-} 5,973,455	10-26-1999	Mirskiy et al	
		^{US-} 5,935,431	08-10-1999	Korin	
		^{US-} 5,914,037	06-22-1999	Yen	
		^{US-} 5,900,178	05-04-1999	Johnsen	
		US- 5,858,227	01-12-1999	Stone et al	
		^{US-} 5,843,309	12-01-1998	Mancil	
		^{US-} 5,698,091	12-16-1997	Kuennen et al	
		^{US-} 5,695,168	12-09-1997	Williams	
		^{US-} 5,612,001	03-18-1997	Matschke	
		^{US-} 5,597,482	01-28-1997	Melyon	
		US- 5,594,304	01-14-1997	Graber	<u> </u>
		US- 5,591,978	01-07-1997	Kovalsky et al	
		US- 5,586,879	12-24-1996	Szpak	
		^{US-} 5,540,848	07-30-1996	Engelhard	
W		^{US-} 5,536,395	07-16-1996	Kuennen et al	
TC		^{US-} 5,477,430	12-19-1995	LaRose	

Examiner	Cite	Foreign Patent Document	IGN PATENT DOCU	Name of Patentee or	I Doore Cohemes Hear	_
Initials*	No.1	- orogen addit boodings	Date	Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	ı
		Country Code ³ "Number ⁴ "Kind Code ⁵ (if known)	MM-DD-YYYY	Typicals of Glob Socialists	Or Relevant Figures Appear	7
TC		0782546	09-21-1995	Great Britain		Τ
		0913628	05-06-1999	EPO		Г
		DE 29707052	11-06-1997	Germany		Γ
Ψ				(English transl	ation attached)	Г
TC		JP 60034784 A	02-1985	Japan		Г

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Complete if Kn wn Substitute for form 1449/PTO **Application Number** Filing Date INFORMATION DISCLOSURE First Named Inventor Roy W. Kuennen STATEMENT BY APPLICANT Art Unit 1723 (Use as many sheets as necessary) T. Cecil **Examiner Name** Sheet 2 18716.85303-001

Attorney Docket Number

			II S DATEN	DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ^{2 (f Incom)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
TC		^{US-} 5,381,073	01-10-1995	Godyak et al	· · · · · · · · · · · · · · · · · · ·
		^{US-} 5,379,021	01-03-1995	Ito et al	
		^{US-} 5,341,083	08-23-1994	Klontz et al	
		^{US-} 5,300,860	04-05-1994	Godyak et al	
		^{US-} 5,289,085	02-22-1994	Godyak et al	•
		^{US-} 5,266,215	11-30-1993	Engelhard	
		^{US-} 5,117,156	05-26-1992	Leyh et al	
		^{US-} 5,078,876	01-07-1992	Whittier et al	
		^{US-} 5,070,293	12-03-1991	Ishii et al	
		^{US-} 4,971,687	11-20-1990	Anderson	
		^{US-} 4,948,980	08-14-1990	Wedekamp	
		^{US-} 4,885,471	12-05-1989	Telfair et al	
		^{US-} 4,838,797	06-13-1989	Dodier	
		^{US-} 4,831,268	05-16-1989	Fisch et al	
_		US- 4,710,638	12-01-1987	Wood	
		^{US-} 4,448,547	05-15-1984	Wickersheim	
ماد		^{US-} 4,303,514	12-01-1981	Theorell	
V		^{US-} 4,038,625	07-26-1977	Tompkins	
TC		^{US-} 3,923,663	12-02-1975	Reid	

FOREIGN PATENT DOCUMENTS							
Examiner Cite Initials* No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	Т		
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Examiner Signature	/Terry Cecil/	Date Considered	06/16/2006

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				Application Number	
INI	EODM ATIO	M D	SCI OSLIDE	Filing Date	
	INFORMATION DISCLOSURE			First Named Inventor	Roy W. Kuennen
Si			APPLICANT	Art Unit	1723
	(Use as many sheets as necessary)		Examiner Name	T. Cecil	
Sheet	3	of	4	Attorney Docket Number	18716.85303-001

Examiner	Cite	Document Number	Publication Date	DOCUMENTS Name of Patentee or	Pages, Columns, Lines, Where
Initiats*	Cite No. ¹	Socument Number	MM-DD-YYYY	Applicant of Cited Document	Relevant Passages or Relevan
		Number-Kind Code ^{2 (F known)}			Figures Appear
TC		^{US-} 3,745,410	07-10-1973	Fletcher et al	
		^{US-} 3,122,492	02-25-1964	W.R. Barnes et al	
		^{US-} 2,133,494	10-18-1938	H.F. Waters	
		^{US-} 723,836	03-31-1903	P.F. Cowing	
		^{US-} 5,069,782	12-03-1991	Moyher, Jr. et al	
		^{US-} 4,017,734	04-12-1977	Ross	
		^{US-} 3,971,947	07-27-1976	Lambert et al	
		^{US-} 6,004,458	12-1999	Davidson	
		^{US-} 5,864,209	01-1999	Clark	
		^{US-} 5,632,890	05-1997	Sugimoto	
		^{US-} 4,780,197	10-1988	Schuman	
		^{US-} 4,694,179	09-1987	Lew et al	
		^{US-} 6,042,720	03-28-2000	Reber et al	
		^{US-} 5,896,483	04-20-1999	Wojcik et al	
		us- 4,642,512	02-10-1987	Matsuno et al	
		^{US-} 4,278,508	07-14-1981	White et al	
$\mathbf{J}_{\mathbf{A}}$		^{US-} 4,201,916	05-06-1980	Ellner	
V		^{US-} 4,061,922	12-06-1977	Last	
TC		^{US-} 3,471,693	10-07-1969	Veloz	

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Examiner Initials*	Cite No. ¹	Foreign Patent Document Publication Date MM-DD-YYYY Country Code ² Number ⁴ Kind Code ⁸ (if known)	Publication	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	Γ
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TC		^{US-} 6,404,111	06-2002	Kunkel	
1		^{US-} 6,245,229	06-2001	Kool et al	
$\overline{\cdot}$		^{US-} 6,099,799	08-2000	Anderson	
V		^{US-} 5,244,558	09-1993	Chiang	
TC		^{US-} 5,247,178	09-21-1993	Ury et al	
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